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NPIC/TSSG/RED-1851-69  
3 October 1969

MEMORANDUM FOR: Chief, Technical Services & Support Group

ATTENTION [ ] PPS/TSSG

SUBJECT : RED Monthly Report on Significant Events (September 1969)

25X1A

A. Significant Items of Interest for September 1969.

1. [ ] sub-contract [ ] for the subjective testing of scattering-type screens was completed on 1 September 1969. [ ] is now evaluating the report and will advise NPIC relative to their findings.

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2. [ ] Stereo Comparator - This program is 72% complete, and the optical testing and assembling is making good progress. [ ] states that they still expect to have the optical system ready for acceptance tests in mid-December 1969. The project officer visited the [ ] plant from 9-10 September 1969. [ ] TSSG/ESD, had on-the-job maintenance training [ ] from 8-11 September 1969. Nine members of EXRAND visited [ ] on 15 September to inspect the comparator.

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3. Dry Silver Program - IEG, PSG, IAS, and TSSG/APSD personnel have been briefed on the planned Dry Silver Program, and inputs from these groups have been incorporated into the over-all, modified plan.

A visit to the [ ] facilities [ ] established 15 October as the date for final factory testing of the High Capacity Processors and 1 December as the date for the anticipated start of T&E [ ] A production schedule for film in support of this equipment has been established.

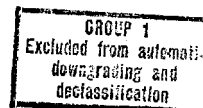
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In addition, [ ] of PSG visited the [ ] facilities for briefings on Dry Silver materials and equipment along with [ ] graphics capabilities.

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Declass Review by NIMA/DOD

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4. Automatic Target Recognition Device - The Automatic Target Recognition Device (Cloud Screener), being built [redacted] is being fabricated utilizing the optical defraction technique vice the electronic sampling technique. This decision was based upon the recommendation of Center-wide evaluation group.

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5. [redacted]

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6. Visit of [redacted] Company Officials - On 5 September NPIC was visited by [redacted] Vice President [redacted] replacement, [redacted] The purpose of their visit was to receive NPIC orientation briefings.

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7. [redacted]

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8. Validity of Army PI Test Battery - An in-house study to determine the predictive validity of the Army PI Test Battery for NPIC PI's was begun [redacted] briefed NPIC management on this test battery on 25 and 30 September.

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9. Color Utilization and Image Quality Determination - A visit was made [redacted] on 26 September to discuss techniques for color utilization and image quality determination.

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10. Change in Contract Monitor - During September [redacted] was assigned as contract monitor for: 1) [redacted] "Imagery Exploitation Research Program," 2) [redacted] "Photographic and Line-Scan Imagery Experimentation," and "Ground Order-of-Battle Resolution Study," 3) [redacted] "Imagery Experimentation Support," 4) [redacted] "Consultation in Visual Perception," and 5) "PI Chair" project.

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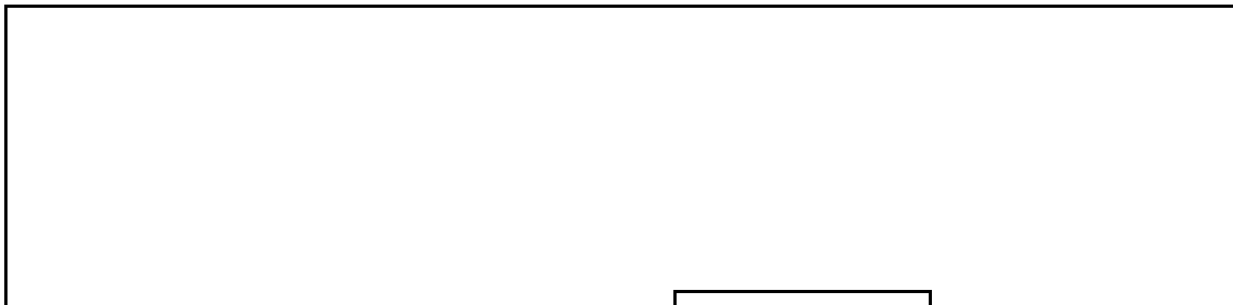
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12. [redacted] Light Table - The [redacted] Light Table was accepted on 22 September.

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13. Microdensitometer Modification - The [redacted] Microdensitometer Modification installation started on 30 September. This modification will allow the scan length of the [redacted] Microdensitometer (in APSD) to be programmed by setting decade switches. In addition, the minimum sampling interval is being lowered to .1 m.

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14. Automatic Stereo Scanner - On 12 September [redacted] successfully achieved Milestone 2 of the Optical Bench Test for the Automatic Stereo Scanner. By that date all new optics had been fabricated and were being assembled prior to mounting on the bench. The remaining system components had been mounted on the bench ahead of schedule and the project manager reported an underrun of 233 direct labor hours. However, due solely to the company's escalating overhead rates, they expect to overrun the Bench Test [redacted]

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15. Imagery in Stripped Film Base - Surprisingly, classified imagery was reconstituted in samples of stripped film base supplied [redacted] Earlier samples yielded no such results when subjected to the special photochemical processing.
16. Sample Analysis - Silver Recovery System - Analysis of the first sample of processed chips indicated a low incidence of uncleared ones; no recognizable information was detected. It remains to be shown that the system can consistently produce such results.

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17. ORD Image Processing Equipment - Delivery of the magnetic tape transport is scheduled for 25 October. Receipt of this last major item is expected to advance delivery of the overall system to NPIC by 2 months over the initial target of 30 May 1970.

25X1 18. Light Table Brightness Measurement - Word was received that [ ] had completed calibration of the light meter attachments that were fabricated at NPIC. Only the final report is necessary to complete this project.

25X1A 19. [ ] Grant Program - DDI approval was received for the FY-70 grant program.

B. Anticipated Items of Interest for October 1969.

- 25X1 1. Dual Gamma Mensuration Study - Preliminary data analysis will be available in the week of 13 October. This should indicate a trend in answer to the question, "Is there a significant difference, in terms of mensuration, between dual gamma and [ ] processed imagery?" Final data will be available by 7 November.

25X1A 2. [ ] Silver Recovery System - A procedure of chemical analysis for control of the caustic emulsion-stripping bath will be defined.

[ ]  
Deputy Chief

Research & Engineering Division

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Attachment:

25X1 1. [ ] 29 August 1969

Distribution:

- 1 - TSSG w/att. 1  
2 - RED/TSSG w/o att. 1

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